

# Long-Term Goals I.

- **Is it premature to discuss this?**
  - We've got lots to do and if we don't do it well, extinction may occur
  - Is it too soon in the US and European planning scenarios? (We did not do well in last US Decadal Study)
  - Should we wait on KI, VLTi, LBT, OHANA?
  - Should we couple ground and space planning?
- **Is it practical to discuss this?**
  - Again, we've got lots to do
  - We seem to be a group of independent thinkers
  - Do we have sufficient ties to the non-interferometry community?
  - Who does the work?

## Long-Term Goals II.

- **NSF Socorro Workshop – June 2000**
  - Explored science, technology, software requirements for imaging
  - There's been no follow-up except for data format work
  - Should the WG take on this planning responsibility and seek financial support?
- **Role of the Working Group**
  - Should the WG more aggressively take on planning and seek financial support?
  - Should the WG sponsor meetings in the field? (Why defer this to the SPIE?)

# Random Observations

- **Many current instruments need more resources**
- **Very limited involvement by US national observatories**
- **US academic involvement is highly focused and lacks the diversity of the European academic community**

## Next Generation Instrument – What is it? I.

- What is required to make it competitive with large single-dish telescopes?
  - Must it encompass general extragalactic astronomy?
  - Is a super stellar astrophysics (plus, maybe, AGN) machine sufficient?
- What is a realistic cost?
  - \$150 - \$1,000M?
- How will it be funded?
  - US alone, Europe alone? – probably not
  - International collaboration? – If so, this WG is the starting point

## Next Generation Instrument – What is it? II.

- **What can we learn from OWL and CELT?**
  - **Mass production of large apertures**
  - **Adaptive optics**
  - **Complementarity of science goals**
  - **Relevant technology developments**
  - **Read their “white papers”**
- **Interim technology developments**
  - **Existing facilities as testbeds**
  - **Funded through normal channels on premise of enhancing current facilities and anticipating future facilities**